

# SEQUENCE LISTING

<110> Yu, Xuanchuan  
Turner, C. Alexander Jr.

<120> Novel Human Lipase and Polynucleotides Encoding the Same

<130> LEX-0293-USA

<150> US 60/259,830

<151> 2001-01-05

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<170> FastSEQ for Windows Version 4.0

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<212> DNA

<213> homo sapiens

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<212> PRT

<213> homo sapiens

<400> 2

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 Pro Trp Thr Arg Thr Phe Ser Thr Glu Leu Val Gly Leu Pro Trp Ser  
 35 40 45  
 Pro Glu Lys Ile Asn Thr Arg Phe Leu Leu Tyr Thr Ile His Asn Pro  
 50 55 60  
 Asn Ala Tyr Gln Glu Ile Ser Ala Val Asn Ser Ser Thr Ile Gln Ala  
 65 70 75 80  
 Ser Tyr Phe Gly Thr Asp Lys Ile Thr Arg Ile Asn Ile Ala Gly Trp  
 85 90 95  
 Lys Thr Asp Gly Lys Trp Gln Arg Asp Met Cys Asn Val Leu Leu Gln  
 100 105 110  
 Leu Glu Asp Ile Asn Cys Ile Asn Leu Asp Trp Ile Asn Gly Ser Arg  
 115 120 125  
 Glu Tyr Ile His Ala Val Asn Asn Leu Arg Val Val Gly Ala Glu Val  
 130 135 140  
 Ala Tyr Phe Ile Asp Val Leu Met Lys Lys Phe Glu Tyr Ser Pro Ser  
 145 150 155 160  
 Lys Val His Leu Ile Gly His Ser Leu Gly Ala His Leu Ala Gly Glu  
 165 170 175  
 Ala Gly Ser Arg Ile Pro Gly Leu Gly Arg Ile Thr Gly Leu Asp Pro  
 180 185 190  
 Ala Gly Pro Phe Phe His Asn Thr Pro Lys Glu Val Arg Leu Asp Pro  
 195 200 205  
 Ser Asp Ala Asn Phe Val Asp Val Ile His Thr Asn Ala Ala Arg Ile  
 210 215 220  
 Leu Phe Glu Leu Gly Val Gly Thr Ile Asp Ala Cys Gly His Leu Asp  
 225 230 235 240  
 Phe Tyr Pro Asn Gly Gly Lys His Met Pro Gly Cys Glu Asp Leu Ile  
 245 250 255  
 Thr Pro Leu Leu Lys Phe Asn Phe Asn Ala Tyr Lys Lys Glu Met Ala  
 260 265 270  
 Ser Phe Phe Asp Cys Asn His Ala Arg Ser Tyr Gln Phe Tyr Ala Glu  
 275 280 285  
 Ser Ile Leu Asn Pro Asp Ala Phe Ile Ala Tyr Pro Cys Arg Ser Tyr  
 290 295 300  
 Thr Ser Phe Lys Ala Gly Asn Cys Phe Phe Cys Ser Lys Glu Gly Cys  
 305 310 315 320  
 Pro Thr Met Gly His Phe Ala Asp Arg Phe His Phe Lys Asn Met Lys  
 325 330 335  
 Thr Asn Gly Ser His Tyr Phe Leu Asn Thr Gly Ser Leu Ser Pro Phe  
 340 345 350  
 Ala Arg Trp Arg His Lys Leu Ser Val Lys Leu Ser Gly Ser Glu Val  
 355 360 365  
 Thr Gln Gly Thr Val Phe Leu Arg Val Gly Gly Ala Ile Gly Lys Thr  
 370 375 380  
 Gly Glu Phe Ala Ile Val Ser Gly Lys Leu Glu Pro Gly Met Thr Tyr  
 385 390 395 400  
 Thr Lys Leu Ile Asp Ala Asp Val Asn Val Gly Asn Ile Thr Ser Val  
 405 410 415  
 Gln Phe Ile Trp Lys Lys His Leu Phe Glu Asp Ser Gln Asn Lys Leu  
 420 425 430  
 Gly Ala Glu Met Val Ile Asn Thr Ser Gly Lys Tyr Gly Tyr Lys Ser  
 435 440 445  
 Thr Phe Cys Ser Gln Asp Ile Met Gly Pro Asn Ile Leu Gln Asn Leu  
 450 455 460

Lys Pro Cys  
465